

Environmental Protection Agency

§ 421.256

NSPS FOR THE PRIMARY PRECIOUS METALS AND MERCURY SUBCATEGORY

Pollutant or pollutant property	Maximum for any 1 day	Maximum for monthly aver- age
	mg/kg (pounds per million pounds) or mercury con- densed	
Lead	1.162	0.540
Mercury	0.623	0.249
Silver	1.204	0.498
Zinc	4.233	1.743
Gold	0.415
Oil and Grease	41.500	41.500
Total suspended solids	62.250	49.800
pH	(¹)	(¹)

¹ Within the range of 7.5 to 10.0 at all times.

(h) Condenser blowdown.

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Pollutant or pollutant property	Maximum for any 1 day	Maximum for monthly aver- age
	mg/kg (pounds per million pounds) of mercury con- densed	
Lead	3.864	1.794
Mercury	2.070	0.828
Silver	4.002	1.656
Zinc	14.080	5.796
Gold	1.380
Oil and Grease	138.000	138.000
Total suspended solids	207.000	165.600
pH	(¹)	(¹)

¹ Within the range of 7.5 to 10.0 at all times.

(i) Mercury cleaning bath water.

NSPS FOR THE PRIMARY PRECIOUS METALS AND MERCURY SUBCATEGORY

Pollutant or pollutant property	Maximum for any 1 day	Maximum for monthly aver- age
	mg/kg (pounds per million pounds) of Mercury con- densed	
Lead	0.392	0.182
Mercury	0.210	0.084
Silver	0.406	0.168
Zinc	1.428	0.588
Gold	0.140
Oil and Grease	14.000	14.000
Total suspended solids	21.000	16.800
pH	(¹)	(¹)

¹ Within the range of 7.5 to 10.0 at all times.

[50 FR 38361, Sept. 20, 1985; 50 FR 41144, Oct. 9, 1985]

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§ 421.256 Pretreatment standards for new sources.

Except as provided in 40 CFR 403.7, any new source subject to this subpart which introduces pollutants into a publicly owned treatment works must comply with 40 CFR part 403 and achieve the following pretreatment standards for new sources. The mass of wastewater pollutants in primary precious metals and mercury process wastewater introduced into a POTW shall not exceed the following values:

(a) Smelter wet air pollution control.

PSNS FOR THE PRIMARY PRECIOUS METALS AND MERCURY SUBCATEGORY

Pollutant or pollutant property	Maximum for any 1 day	Maximum for monthly aver- age
	mg/troy ounce of gold and silver smelted	
Lead	0.364	0.169
Mercury	0.195	0.078
Silver	0.377	0.156
Zinc	1.326	0.546
Gold	0.130

(b) Silver chloride reduction spent solution.

PSNS FOR THE PRIMARY PRECIOUS METALS AND MERCURY SUBCATEGORY

Pollutant or pollutant property	Maximum for any 1 day	Maximum for monthly aver- age
	mg/troy ounce of silver reduced in solution	
Lead	0.112	0.052
Mercury	0.060	0.024
Silver	0.116	0.048
Zinc	0.408	0.168
Gold	0.040

(c) Electrolytic cells wet air pollution control.

PSNS FOR THE PRIMARY PRECIOUS METALS AND MERCURY SUBCATEGORY

Pollutant or pollutant property	Maximum for any 1 day	Maximum for monthly average
	mg/troy ounce of gold refined electrolytically	
Lead	5.544	2.574
Mercury	2.970	1.188
Silver	5.742	2.376
Zinc	20.200	8.316

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Pollutant or pollutant property	Maximum for any 1 day	Maximum for monthly average
Gold	1.980

(d) Electrolyte preparation wet air pollution control.

**PSNS FOR THE PRIMARY PRECIOUS METALS
AND MERCURY SUBCATEGORY**

Pollutant or pollutant property	Maximum for any 1 day	Maximum for monthly average
	mg/troy ounce of silver in electrolyte produced	
Lead	0.014	0.007
Mercury	0.008	0.003
Silver	0.015	0.006
Zinc	0.051	0.021
Gold	0.005

(e) Calciner wet air pollution control.

**PSNS FOR THE PRIMARY PRECIOUS METALS
AND MERCURY SUBCATEGORY**

Pollutant or pollutant property	Maximum for any 1 day	Maximum for monthly average
	mg/kg (pounds per million pounds) of mercury condensed	
Lead	6.160	2.860
Mercury	3.300	1.320
Silver	6.380	2.640
Zinc	22.440	9.240
Gold	2.200

(f) Calcine quench water.

**PSNS FOR THE PRIMARY PRECIOUS METALS
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Pollutant or pollutant property	Maximum for any 1 day	Maximum for monthly average
	mg/kg (pounds per million pounds) of mercury condensed	
Lead	4.928	2.288
Mercury	2.640	1.056
Silver	5.104	2.112
Zinc	17.950	7.392
Gold	1.760

(g) Calciner stack gas contact cooling water.

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**Subpart X—Secondary Precious
Metals Subcategory**

SOURCE: 50 FR 38365, Sept. 20, 1985, unless otherwise noted.

§ 421.260 Applicability: Description of the secondary precious metals subcategory.

The provisions of this subpart are applicable to discharges resulting from